Panasonic

2.4GHz Cordless Phone

Model No. KX-TG2503ALF

KX-TG2503NZF

Operating Instructions

PLEASE READ BEFORE USE AND SAVE.

Charge the battery for about 6 hours before initial use.

Contents by Section

1 Getting Started
2 Making/Answering Calls
3 Speed Dialler
4 One-Touch Dialler
5 Special Features
6 Things You Should Know

For your future reference

Serial No. Date of purchase

(found on the bottom of the unit)

Name and address of dealer

Attach or keep original receipt to assist with any repair under warranty.

For New Zealand Customers

Panasonic New Zealand operates a toll free Customer Support Centre.
Please phone 0800 Panasonic (0800 726276) for assistance.

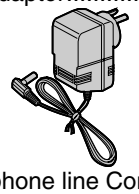
Kyushu Matsushita Electric Co., Ltd.
1-62, 4-chome, Minoshima, Hakata-ku, Fukuoka 812-8531, Japan

Printed in Malaysia **PQQX13027ZB-BM** SM0401SA1071

1 Getting Started

1-A Accessories

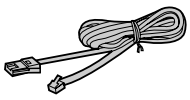
☐ AC Adaptor.....one



☐ Telephone line Cord.....one

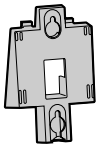
For Australia

For New Zealand



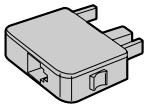
☐ Belt Clip.....one

☐ Wall Mounting Adaptor.....one



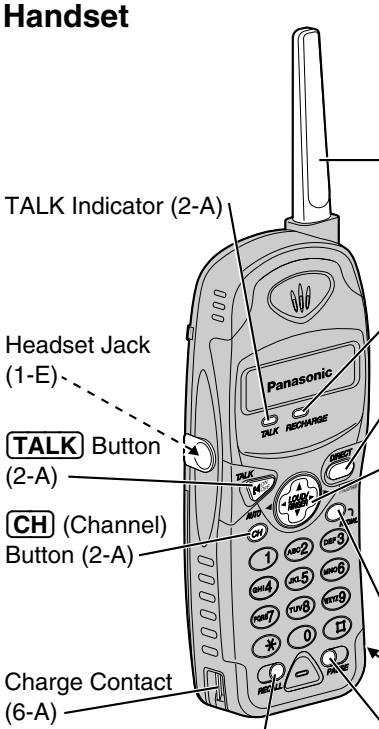
For Australia only

☐ Telephone Plug.....one

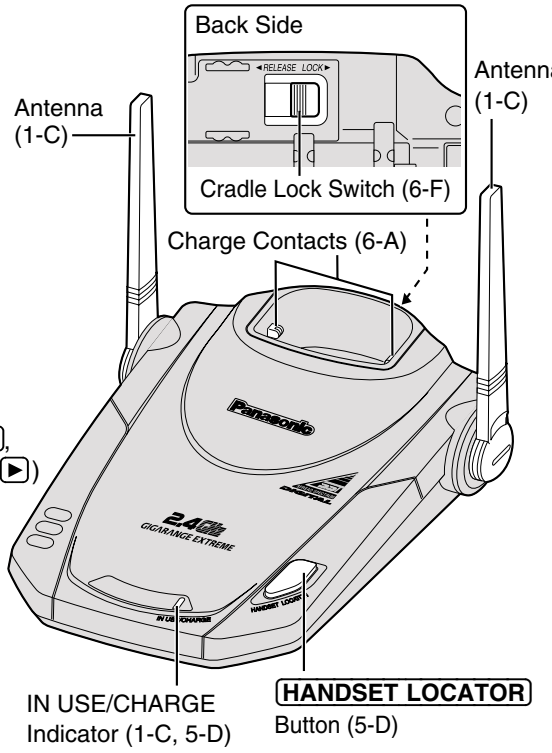


1-B Location of Controls

Handset

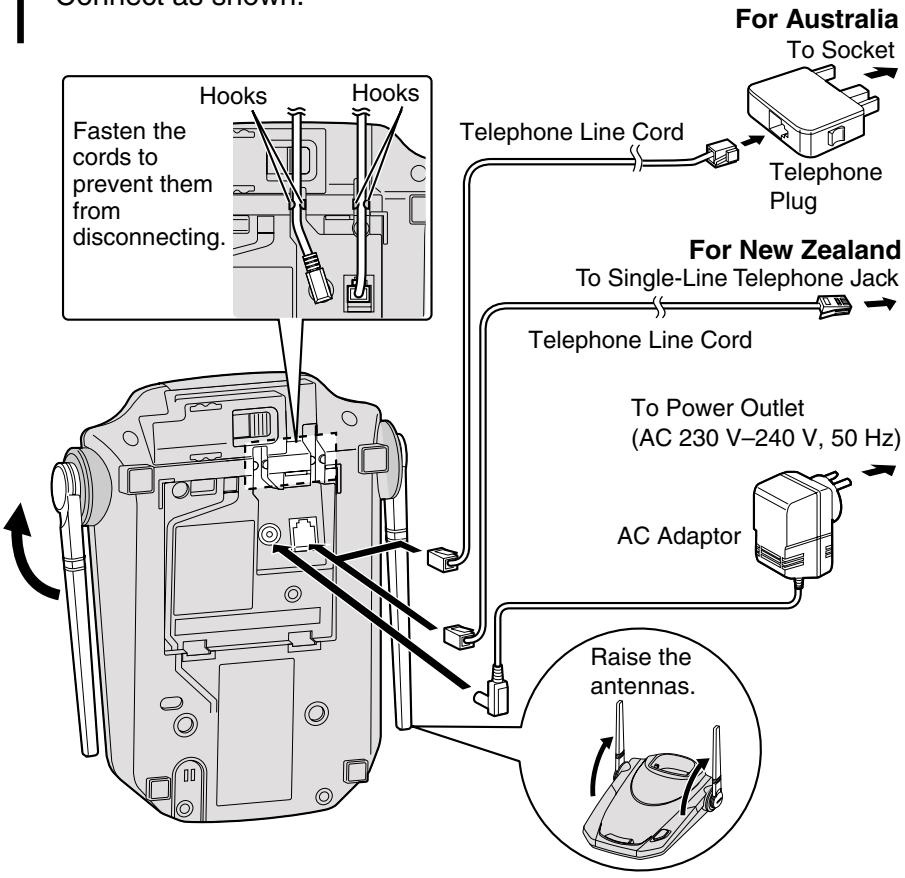


Base unit



1-C Settings

1 Connect as shown.

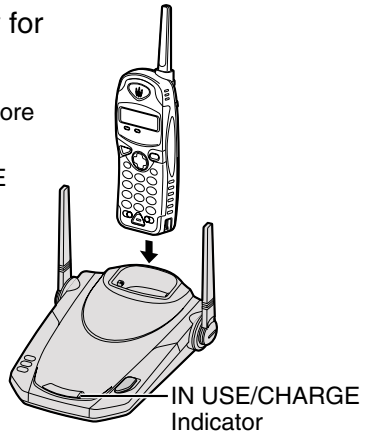


2 Raise the antennas.

STOP

3 Charge the battery for 6 hours.

- See section 6-A for more details.
- The IN USE/CHARGE indicator lights.

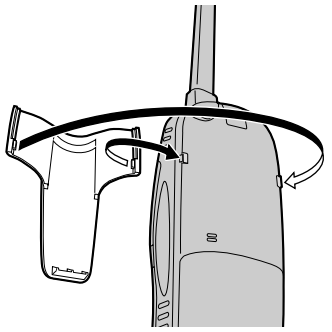


- USE ONLY WITH Panasonic AC ADAPTOR PQLV1AL.
- The AC adaptor must remain connected at all times. (It is normal for the adaptor to feel warm during use.)
- To connect a standard telephone on the same line, see section 6-D.
- KX-TG2503ALF/KX-TG2503NZF is not designed to be used with rotary (pulse dialling) services.

1-D Belt Clip

You can hang the handset on your belt or pocket using the belt clip.

To attach the belt clip



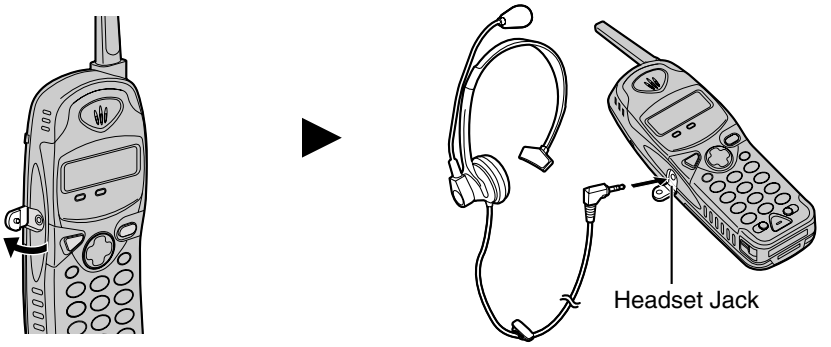
To remove the belt clip

1-E Optional Headset

Plugging an optional headset into the handset allows a hands-free phone conversation. Please use only the Panasonic KX-TCA88 headset.

Connecting the optional headset to the handset

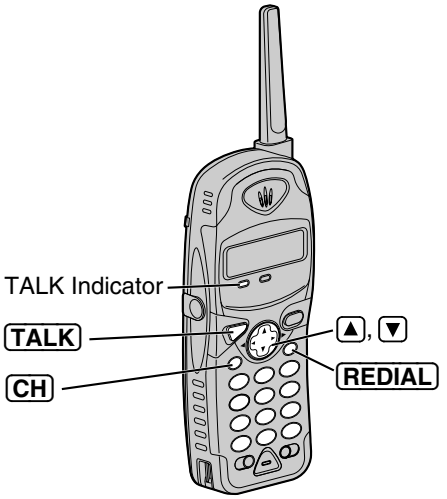
Open the headset jack cover, and connect the optional headset to the headset jack as shown.



When the optional headset is connected to the handset, make sure to use the headset to talk with the caller. If you want to have a normal cordless phone conversation, disconnect the headset.

2 Making/Answering Calls

Section 2



- For best operating performance, see section 6-C.

Backlit handset keypad

The handset dialling buttons will light when you press a button or lift the handset off the base unit, and flash when a call is received. The lights will go out a few seconds after pressing a button, lifting the handset or answering a call.

2-A Making Calls

1 Press TALK.
- The TALK indicator lights.
- If an alarm tone sounds, see 6-E.

2 Dial a phone number.

3 To hang up, press TALK or place the handset on the base unit.

To redial the last number dialled

Press TALK ➜ REDIAL.

To select the receiver volume

3 levels (HIGH, MEDIUM, LOW) are available.
Press ▲ or ▼ while talking.

- Each time you press ▲ or ▼, the volume level will change.

If noise interferes with the conversation

Press CH to select a clearer channel or move closer to the base unit.

2-B Answering Calls

If the handset is off the base unit, press TALK.

- You can also answer a call by pressing any dialling button 0 to 9, ✱ or # (— **Any Key Talk**).

OR

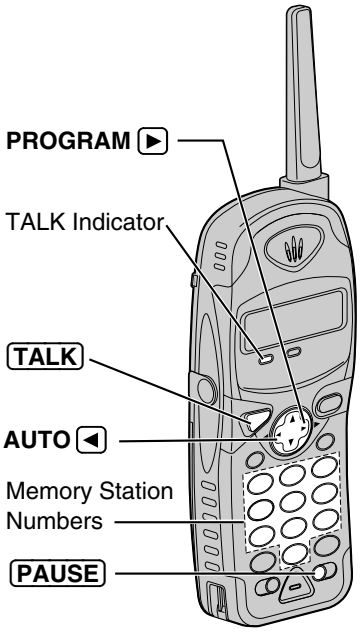
If on the base unit, just lift up.

Selecting the ringer volume

The TALK indicator light must be off.

- **To select HIGH (preset) or LOW,** press ▲ or ▼.
  Each time you press ▲ or ▼, the ringer volume will change and the selected volume will ring.
- **To turn the ringer OFF,** press and hold ▼ until 2 beeps sound.
- **To turn the ringer ON,** press ▲.
  The ringer will sound at the HIGH level.
- When you replace the battery, the selected ringer volume setting will return to the factory default.

3 Speed Dialler



3-A Storing Phone Numbers in Memory

You can store up to 10 phone numbers in the handset. The dialling buttons (0 to 9) function as memory stations.
The TALK indicator light must be off before programming.

1 Press **PROGRAM** ▶.
- The TALK indicator flashes.

2 Enter a phone number up to 22 digits.

3 Press **AUTO** ◀.

4 Press a memory station number (0 to 9).
- A beep sounds.
- To store other numbers, repeat steps 1 through 4.

- If a pause is required for dialling, press **PAUSE** where needed. Pressing **PAUSE** counts as one digit (5-C).

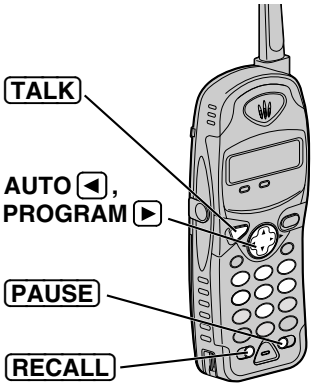
If you misdial
Press **PROGRAM** ▶ to end storing. ➡
➡ Start again from step 1.

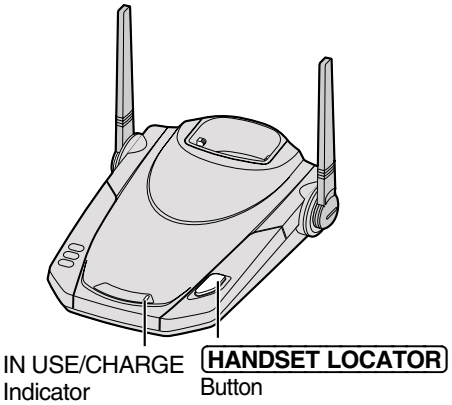
To erase a stored number
Press **PROGRAM** ▶ ➡ **AUTO** ◀ ➡
➡ the memory station number (0 to 9) for the phone number to be erased.
- A beep sounds.

3-B Dialling a Stored Number

Press **TALK** ➡ **AUTO** ◀ ➡ the memory station number (0 to 9).

5 Special Features





5-A RECALL Button

Pressing **RECALL** allows you to use special features of your host PBX such as call transfer or accessing a special telephone services (optional), such as call waiting.

Selecting the recall time

The recall time depends on your telephone exchange or host PBX. You can select the following recall times: "90, 100, 110, 250, 300, 400, 600 or 700 msec (milliseconds)", **using the handset near the base unit.** KX-TG2503ALF comes from the factory set to "100 msec". KX-TG2503NZF comes from the factory set to "600 msec".

The TALK indicator light must be off before programming.

Press **PROGRAM** ▶ ➡ Dialling button (1 to 8) ➡ **AUTO** ◀ ➡ **RECALL**.

1: 90 msec 2: 100 msec 3: 110 msec 4: 250 msec
5: 300 msec 6: 400 msec 7: 600 msec 8: 700 msec

- If 3 beeps sound after programming, a wrong key was pressed. Start again from the beginning.
- Users in Australia can access Telstra's "EASY CALL" service by having the recall time set at 100 msec, and then follow Telstra's "EASY CALL" instructions to operate this service.
- If you are connected via a PBX, a longer or shorter recall time may be necessary to use PBX functions (transferring a call etc.). Consult your PBX supplier for the correct setting.
- When you receive a second call during a conversation, you will hear a signal tone following the call waiting tone and the conversation will be interrupted for approximately a second. The tones are generated from the telephone company. This is not fault of the product as these events are normal.

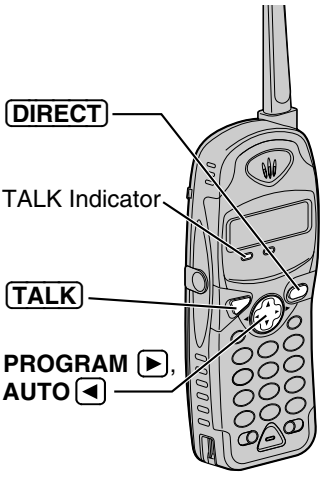
For Call Waiting Service Users in New Zealand
Adjust the recall time to 600 msec for use with Telecom's Call Waiting Service. Press **RECALL** if you hear a call-waiting tone while talking.
- The first call is put on hold and you can answer the second call.
- To return to the first caller, press **RECALL** again.

- If a power failure occurs, the setting will return to the factory preset. Reprogram if necessary.

4 One-Touch Dialler Section 4

4-A Storing a Phone Number in the DIRECT Button

You can store a phone number in the **DIRECT** button. The stored number is dialled with a one-touch operation.
The TALK indicator light must be off before programming.



1 Press **PROGRAM** ▶.
- The TALK indicator flashes.

2 Enter a phone number up to 22 digits.
- If you misdial, press **PROGRAM** ▶, and start again from step 1.

3 Press **DIRECT**.
- A beep sounds.

- If a pause is required for dialling, press **PAUSE** where needed. Pressing **PAUSE** counts as one digit (5-C).

4-B Dialling a Stored Number in the DIRECT Button

Press **TALK** ➡ **DIRECT**.
To erase a stored number: press **PROGRAM** ▶ ➡ **AUTO** ◀ ➡ **DIRECT**.

Special Features

5-B Automatic Security Code Setting

Whenever you place the handset on the base unit, the unit automatically selects one of more than a million security codes. These codes help prevent the unauthorized use of your telephone line by another cordless telephone user.

5-C How to Use the PAUSE Button (For Analog PBX Line/Long Distance Service Users)

We recommend you press **PAUSE** if a pause is required for dialling with a PBX or to access a long distance service.
Ex: Line access number **9** (PBX)
9 ➡ **PAUSE** ➡ Phone number

- Pressing **PAUSE** once creates a 3.5 second pause. This prevents misdialling when you redial or dial a stored number.
- Pressing **PAUSE** more than once increases the length of the pause between numbers.

5-D Handset Locator

You can locate the handset or page the handset.

1 Press **HANDSET LOCATOR** on the base unit.
- The IN USE/CHARGE indicator flashes and the handset beeps for 1 minute.

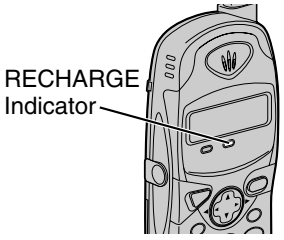
2 To stop paging, press **HANDSET LOCATOR** again or press **TALK** twice on the handset.

6 Things You Should Know

6-A Battery

Recharge

When the RECHARGE indicator flashes or the unit beeps intermittently, place the handset on the base unit to recharge the battery for 6 hours.



- If you DO NOT recharge the handset battery for more than 15 minutes, the RECHARGE indicator will continue to flash.

Battery information

After your Panasonic battery is fully charged:

Operation		Approx. battery life
While in use (TALK)	near the base unit*	Up to 4.5 hours
	away from the base unit	Up to 3.5 hours
While not in use (Standby)		Up to 11 days

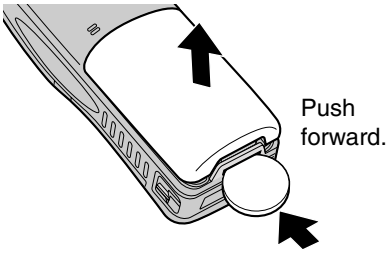
*Within about 10 feet (3 m)

- Battery life may vary depending on usage conditions and ambient temperature.
- **Clean the handset and the base unit charge contacts with a soft dry cloth once a month. Clean more often if the unit is subject to grease, dust or high humidity.** Otherwise, the battery may not charge properly.
- If the battery is fully charged, you do not have to place the handset on the base unit until the RECHARGE indicator flashes. This will maximise the battery life.
- The battery cannot be overcharged.

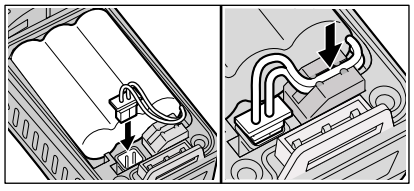
6-B Battery Replacement

If the RECHARGE indicator flashes after being fully charged, replace the battery with a new Panasonic P-P510 (N4HKGMB00001) battery.

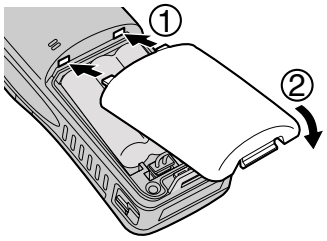
1 Carefully insert a flat metal object in the slot, and push forward to release the lock. Remove the cover.



2 Replace the battery. Place the battery leads inside the groove, otherwise the leads may be damaged when closing the cover.



3 Close the cover. Make sure to charge the new battery for 6 hours.

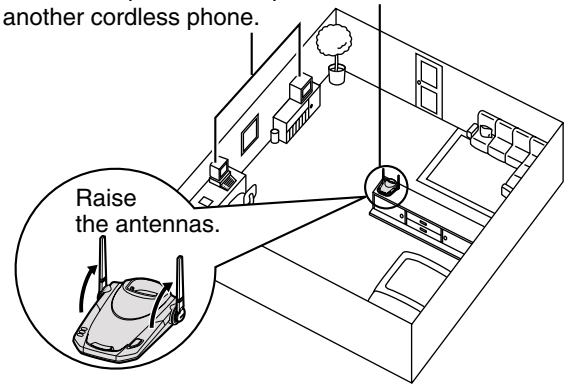


6-C Base Unit Location/Noise

Calls are transmitted between the base unit and the handset using wireless radio waves. **For maximum distance and noise free operation**, the recommended base unit location is:

Away from electrical appliances such as a TV, personal computer or another cordless phone.

In a HIGH and CENTRAL location with no obstructions such as walls.



Note:

While using the handset:

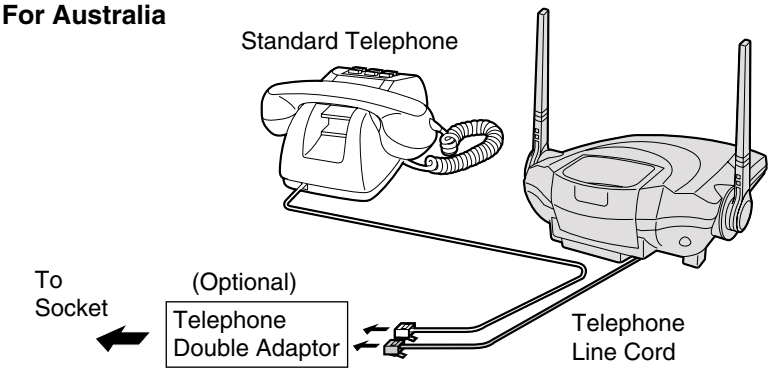
— If you are near a microwave oven which is being used, noise may be heard at the receiver. Move away from the microwave oven and closer to the base unit.

— If more than one cordless phone is being used and your handset is near another cordless phone's base unit, noise may be heard. Move away from the other cordless phone's base unit and closer to your base unit.

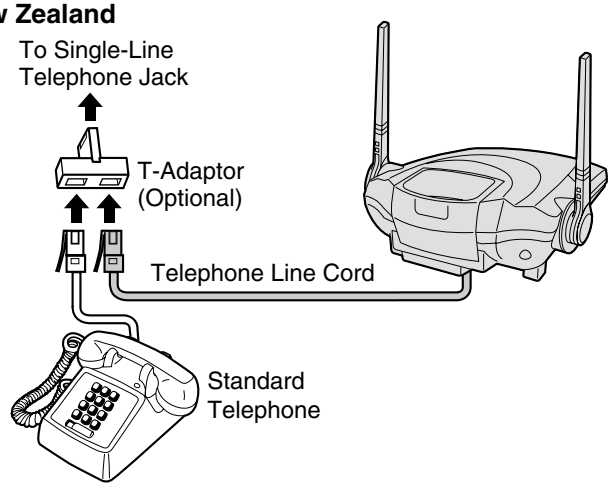
6-D Adding Another Phone

This unit will not function during a power failure. To connect a standard telephone on the same line, use a telephone double adaptor (for Australia) or a T-adaptor (for New Zealand).

For Australia



For New Zealand



6-E Before Requesting Help

Problem	Remedy
The unit does not work.	•Check the settings (1-C). •Charge the battery fully (6-A). •Clean the charge contacts and charge again (6-A). •Install the battery properly (6-B). •Place the handset on the base unit and unplug the AC adaptor to reset. Plug in, and try again. •Re-install the battery and place the handset on the base unit. Try again. •KX-TG2503ALF/KX-TG2503NZF are not designed to be used with rotary (pulse dialling) services.
An alarm tone sounds.	•You are too far from the base unit. Move closer and try again. •Place the handset on the base unit and try again. •Make sure the AC adaptor is connected to the base unit. •Raise the base unit antennas.
Static, sound cuts in/out, fades. Interference from other electrical units.	•Locate the handset and the base unit away from other electrical appliances (6-C). •Move closer to the base unit. •Raise the base unit antennas. •Press CH to select a clearer channel.
The unit does not ring.	•The ringer volume is set to OFF. Press ▲ or ▼ while the TALK indicator light is off (2-B).

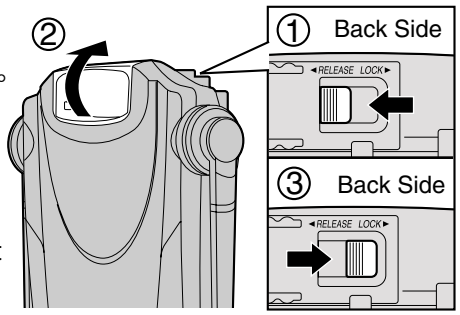
Problem	Remedy
While storing a phone number, the unit starts to ring.	•To answer the call, press TALK. The program will be cancelled. Store the number again.
You cannot store a phone number in memory.	•You cannot store a number while the unit is in the talk mode. •Do not pause for over 60 seconds while storing.
Previously programmed information is erased.	•If a power failure occurs, programmed information may be erased. Reprograme if necessary.
You cannot redial by pressing REDIAL.	•If the last number dialled was more than 32 digits long, the number will not be redialled correctly.
HANDSET LOCATOR does not function.	•The handset is too far from the base unit or is engaged in an outside call.
The RECHARGE indicator flashes or the unit beeps intermittently.	•Charge the battery fully (6-A).
You charged the battery fully, but the RECHARGE indicator flashes.	•Clean the charge contacts and charge again (6-A). •Install a new battery (6-B).
The IN USE/CHARGE indicator light does not go out while charging.	•This is normal.

6-F Wall Mounting

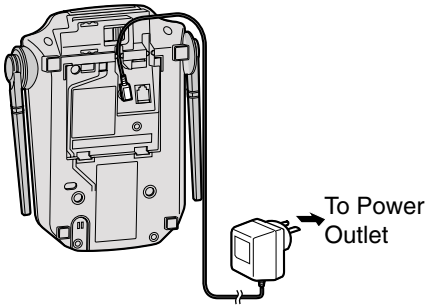
This unit can be mounted on a wall.

1 Adjust the angle of the cradle:

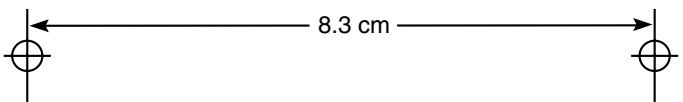
①Slide the lock switch to “RELEASE”.
②Rotate the cradle 90° until it faces straight up.
③Slide the lock switch to “LOCK” with the cradle facing straight up.



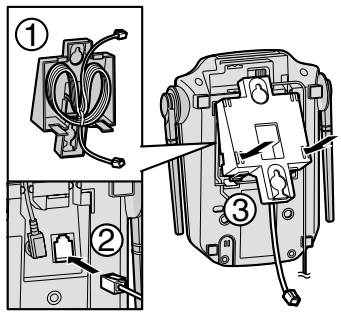
2 Connect the AC adaptor.



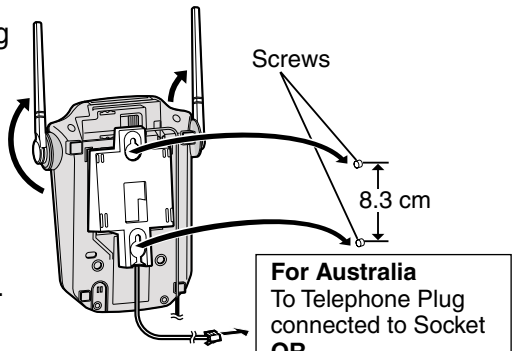
Wall Template



3 ①Tuck the telephone line cord inside the wall mounting adaptor.
②Connect the telephone line cord to the unit.
③Install the adaptor by pushing it in the direction of the arrow.
•The word “UP” should face upward.



4 Install screws using the wall template. Connect the telephone line cord. Mount the unit, then slide down.
•Raise the antennas.



6-G Safety Instructions

Take special care to follow the safety suggestions listed below.

Safety

1) The unit should be connected to a power supply only of the type described in the operating instructions or as marked on the unit.
2) When left unused for a long period of time, the base unit should be unplugged from the household AC outlet.
3) To minimize the possibility of lightning damage when you know that a thunderstorm is coming, we recommend that you:
   a) Unplug the telephone line cord from the phone jack.
   b) Unplug the power supply cord from the AC power outlet.

Installations

Environment

1) Do not use this unit near liquids—for example, near a bathtub, washbowl, sink, etc. Damp environments should also be avoided.
2) The unit should be kept away from heat sources such as radiators, kitchen range, etc. It also should not be placed in rooms where the temperature is less than 5°C or greater than 40°C.
3) The AC adaptor is used as the main disconnect device, ensure that the AC outlet is located/installed near the unit and is easily accessible.

Placement

1) Do not place heavy objects on top of this unit.
2) Care should be taken so that objects do not fall onto, and liquids are not spilled into, the unit. Do not subject this unit to excessive smoke, dust, mechanical vibration or shock.
3) Place the unit on a flat surface.

For best performance

1) If noise prevents the conversation from being understood at the handset, approach the base unit to lessen the noise.
2) The handset should be used at the HIGH volume setting when the reception audio is difficult to hear.
3) The handset should be fully recharged on the base unit when the RECHARGE indicator flashes.
4) The handset antenna should not be touched during use because of its high sensitivity.
5) The maximum calling distance may be shortened when the unit is used in the following places: Near obstacles such as hills, tunnels, undergrounds, near metal objects such as wire fences, etc.

WARNING:

TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THE BASE UNIT TO LIQUID OR ANY TYPE OF MOISTURE. ONLY THE HANDSET IS SHOCK AND SPLASH RESISTANT.

When a failure occurs which results in the internal parts becoming accessible, disconnect AC adaptor immediately and return this unit to the place of purchase or service centre.

If there is any trouble, disconnect the unit from the telephone line and connect a known working phone. If the known working phone operates properly, do not reconnect the unit to the telephone line until the fault has been repaired. If the known working phone does not operate properly, consult your telephone company.

This equipment has been tested and found to comply with AS/NZS 3548: 1995 limits for electromagnetic interference. Any modifications to any part of the system or to any peripherals may void the EMC compliance of the system or the peripherals.

This equipment will be inoperable when mains power fails.

The earcap on the handset is magnetised and may retain metallic objects.

Operating near 2.4GHz electrical appliances may cause interference. Move away from the electrical appliances and/or press the CH (Channel) button.

Medical

Consult the manufacturer of any personal medical devices, such as pacemakers, to determine if they are adequately shielded from external RF (radio frequency) energy. (The unit operates in the frequency range of 2401MHz to 2462MHz, and the power output level can range from 0.001 watts to 0.20 watts.) Do not use the unit in health care facilities if any regulations posted in the area instruct you not to do so. Hospitals or health care facilities may be using equipment that could be sensitive to external RF (radio frequency) energy.

Shock-Resistant (HANDSET ONLY)

Although the handset is designed to be shock resistant, do not throw or step on the handset.

Splash-Resistant (HANDSET ONLY)

The handset is designed to be splash resistant.
You can use the handset with wet hands.

CAUTION:

- **Do not immerse in water or leave under running water.**
- Keep the handset away from salt water or liquids containing chemicals.
- Avoid exposure to prolonged high humidity.
- Since water in the headset jack may cause damage, close the headset jack cover when the optional headset is not in use. When the optional headset is connected, do not use the handset with wet hands.
- If the handset is wet, wipe with a soft dry cloth.
- The base unit is not designed to be splash resistant. Do not place the wet handset on the base unit.

For New Zealand Users Only

The grant of a Telepermit for any item of terminal equipment indicates only that Telecom has accepted that the item complies with minimum conditions for connection to its network. It indicates no endorsement of the product by Telecom, nor does it provide any sort of warranty. Above all, it provides no assurance that any item will work correctly in all respects with another item of Telepermitted equipment of a different make or model, nor does it imply that any product is compatible with all of Telecom's network services.

WARNING NOTICE:

No "111" or other calls can be made from this device during a mains power failure.
This equipment shall not be set to make automatic calls to the Telecom "111" Emergency Service.

- We recommend that a standard phone which can be used in the case of a power failure be connected to the telephone line at all times.